

1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
n78(3450-3550)	30	70	632334	90@45	DFT_BPSK	25.80	-2.3	23.5	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_BPSK	25.19	-2.3	22.89	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_BPSK	25.01	-2.3	22.71	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QPSK	25.79	-2.3	23.49	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QPSK	25.07	-2.3	22.77	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QPSK	24.80	-2.3	22.5	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM16	24.73	-2.3	22.43	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM16	24.20	-2.3	21.9	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM16	23.70	-2.3	21.4	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM64	23.30	-2.3	21	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM64	22.47	-2.3	20.17	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM64	22.22	-2.3	19.92	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QPSK	24.24	-2.3	21.94	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QPSK	23.58	-2.3	21.28	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QPSK	23.33	-2.3	21.03	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM16	23.77	-2.3	21.47	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM16	23.36	-2.3	21.06	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM16	23.07	-2.3	20.77	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM64	22.17	-2.3	19.87	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM64	21.69	-2.3	19.39	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM64	21.35	-2.3	19.05	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	25.53	-2.3	23.23	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_BPSK	25.20	-2.3	22.9	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_BPSK	24.69	-2.3	22.39	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	25.63	-2.3	23.33	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QPSK	25.22	-2.3	22.92	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QPSK	24.61	-2.3	22.31	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM16	24.56	-2.3	22.26	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM16	24.38	-2.3	22.08	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM16	23.87	-2.3	21.57	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM64	23.11	-2.3	20.81	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM64	22.58	-2.3	20.28	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM64	22.07	-2.3	19.77	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QPSK	24.10	-2.3	21.8	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QPSK	23.78	-2.3	21.48	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QPSK	23.25	-2.3	20.95	30	PASS

n78(3450-3550)	30	70	633334	95@47	CP_QAM16	23.52	-2.3	21.22	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM16	23.21	-2.3	20.91	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM16	22.57	-2.3	20.27	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM64	21.99	-2.3	19.69	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM64	21.70	-2.3	19.4	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM64	21.27	-2.3	18.97	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_BPSK	25.48	-2.3	23.18	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_BPSK	25.25	-2.3	22.95	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_BPSK	24.70	-2.3	22.4	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QPSK	25.50	-2.3	23.2	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QPSK	25.16	-2.3	22.86	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QPSK	24.60	-2.3	22.3	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM16	24.45	-2.3	22.15	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM16	24.35	-2.3	22.05	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM16	23.76	-2.3	21.46	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM64	23.00	-2.3	20.7	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM64	22.66	-2.3	20.36	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM64	22.09	-2.3	19.79	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QPSK	23.96	-2.3	21.66	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QPSK	23.72	-2.3	21.42	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QPSK	23.26	-2.3	20.96	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM16	23.43	-2.3	21.13	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM16	23.18	-2.3	20.88	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM16	22.57	-2.3	20.27	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM64	21.87	-2.3	19.57	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM64	21.79	-2.3	19.49	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM64	21.25	-2.3	18.95	30	PASS

2 Frequency stability for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-13.50	-0.01	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_BPSK	-8.76	0.00	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_BPSK	-13.89	-0.01	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-5.40	0.00	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QPSK	-2.67	0.00	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QPSK	-10.72	-0.01	-2.5	2.5	PASS

NV:

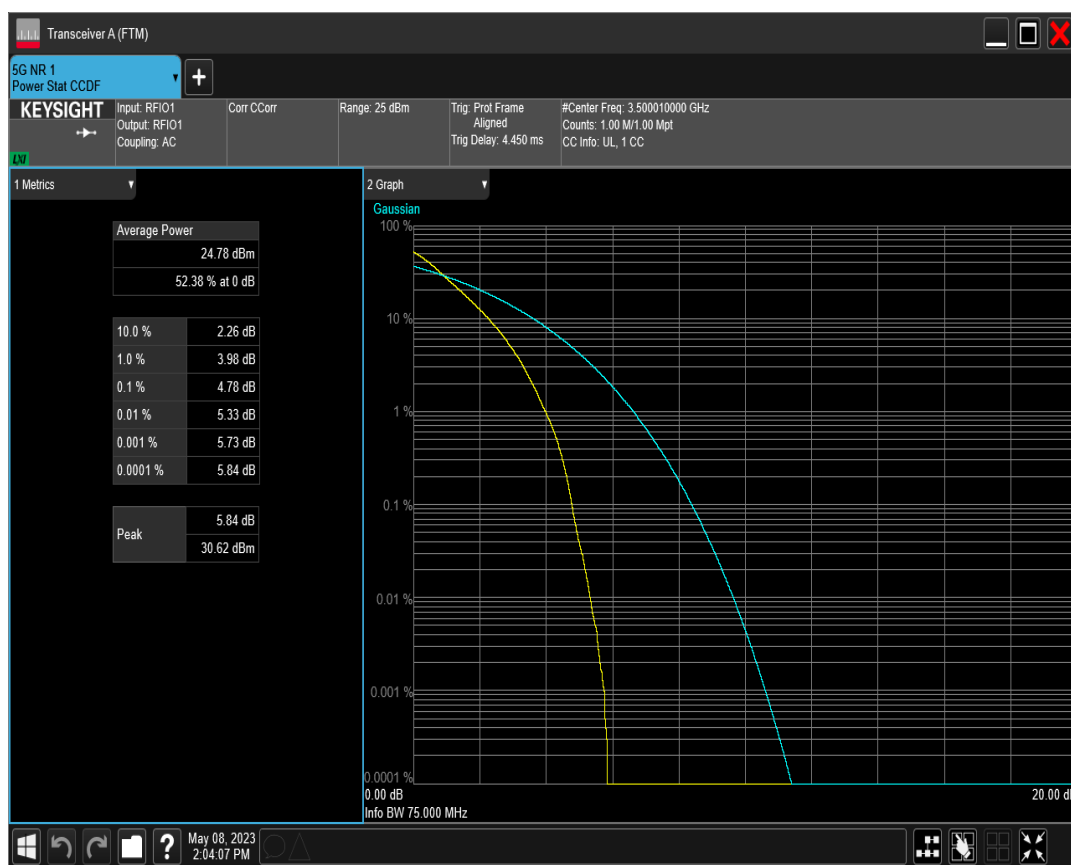
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-30	-13.96	-0.01	Within authorized band for 5G NR n78	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-20	-8.63	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-10	-13.9	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	0	-4.94	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	10	-3.07	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	20	-10.92	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	30	-14.1	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	40	-8.72	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	50	-13.56	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-30	-4.87	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-20	-3.21	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-10	-11.07	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	0	-14.06	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	10	-8.92	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	20	-13.34	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	30	-5.22	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	40	-2.95	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	50	-11.25	-0.01		PASS

Note: Only the worst case shown in the report.

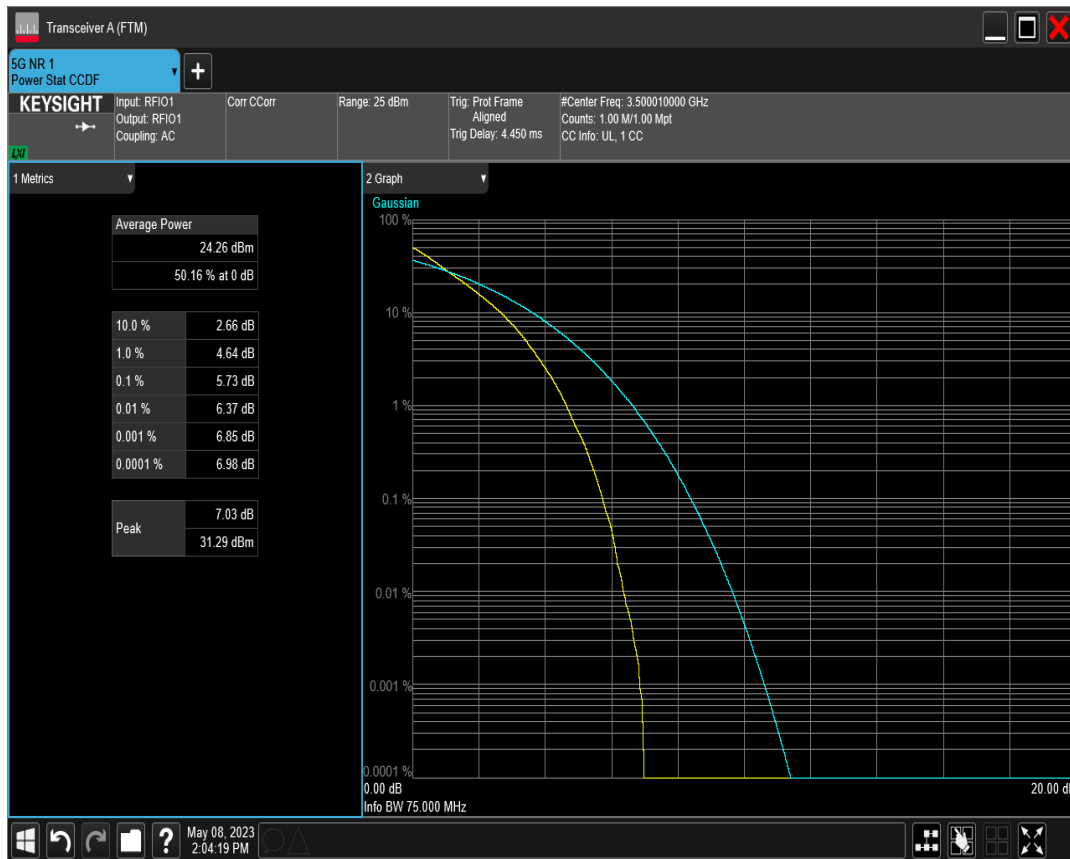
3 Peak-to-Average Ratio for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n78(3450-3550)	30	70	633334	180@0	DFT_BPSK	4.78	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	5.73	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	6.48	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	6.70	13	PASS

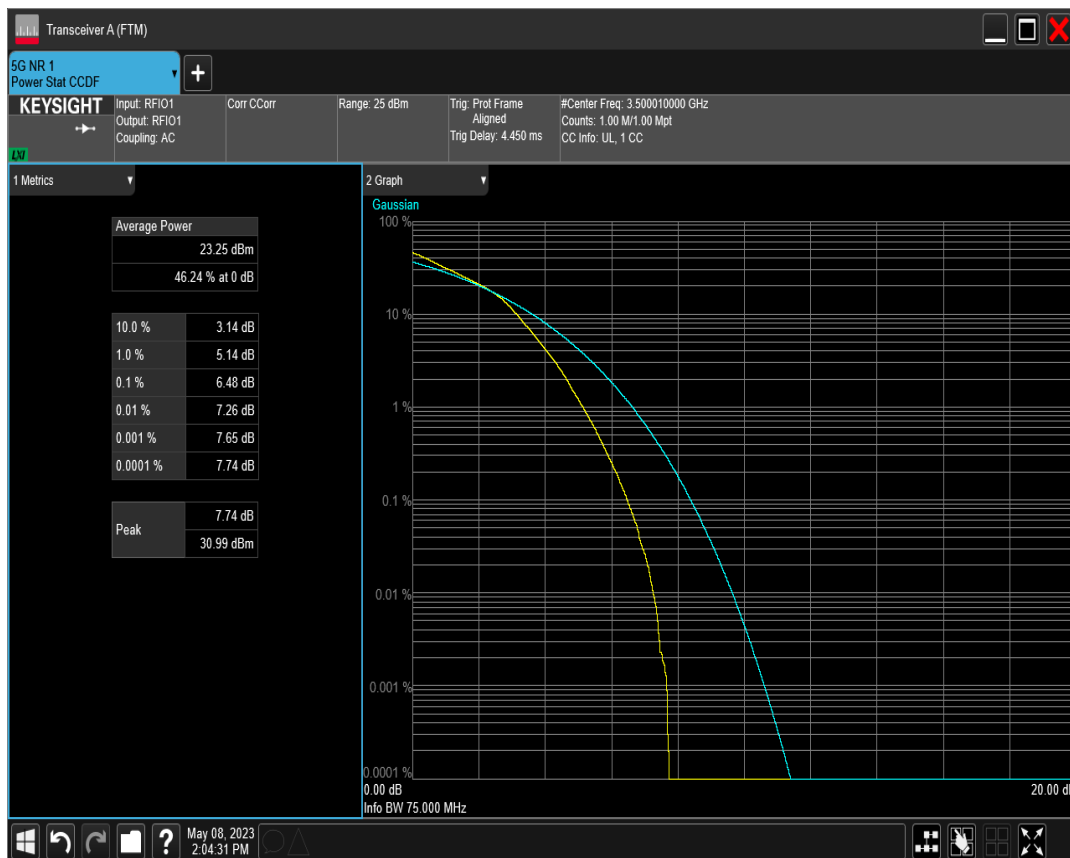
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0



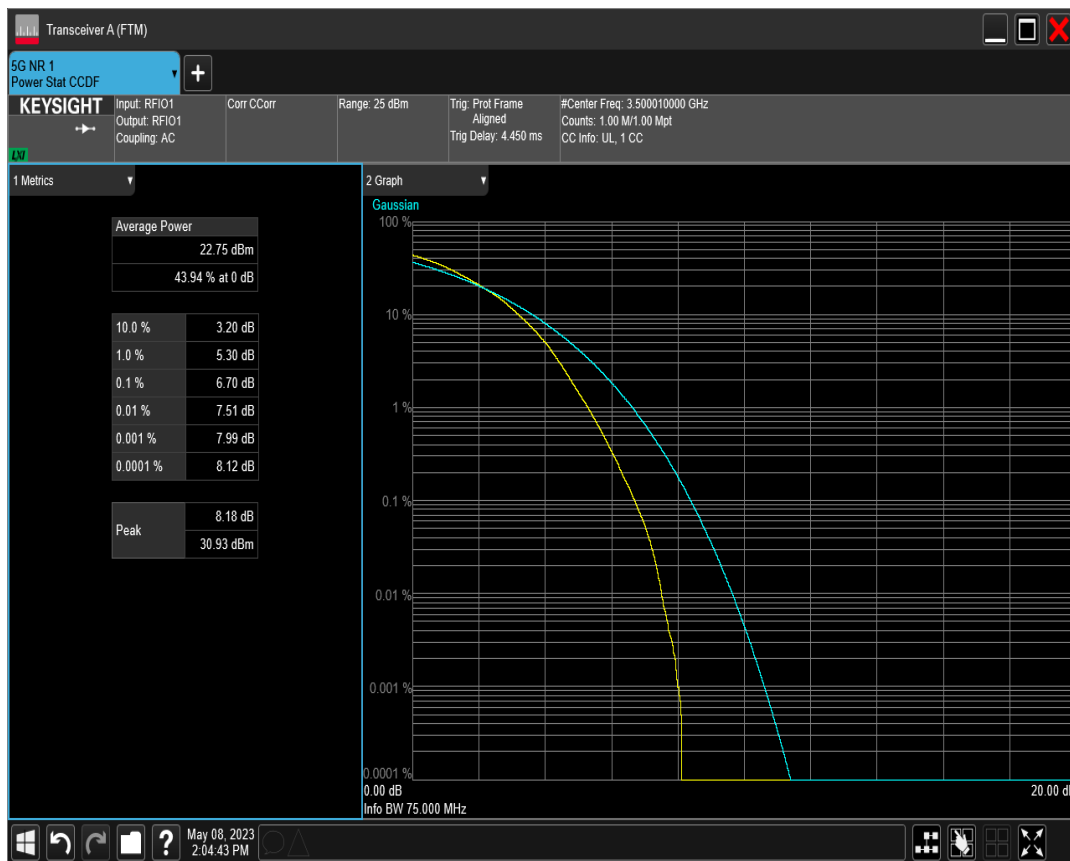
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



n78(3450-3550) SCS=30kHz DFT_QAM16 BW=70MHz Channel=633334 RB=180@0



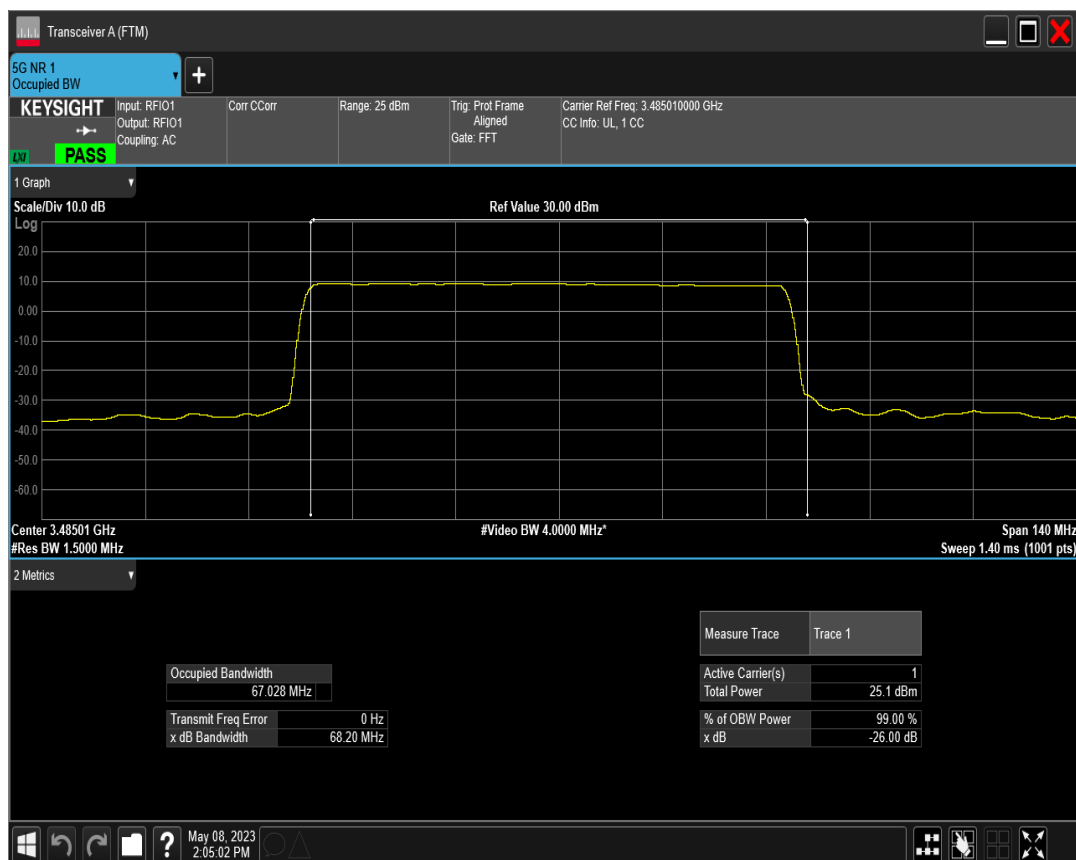
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=633334 RB=180@0



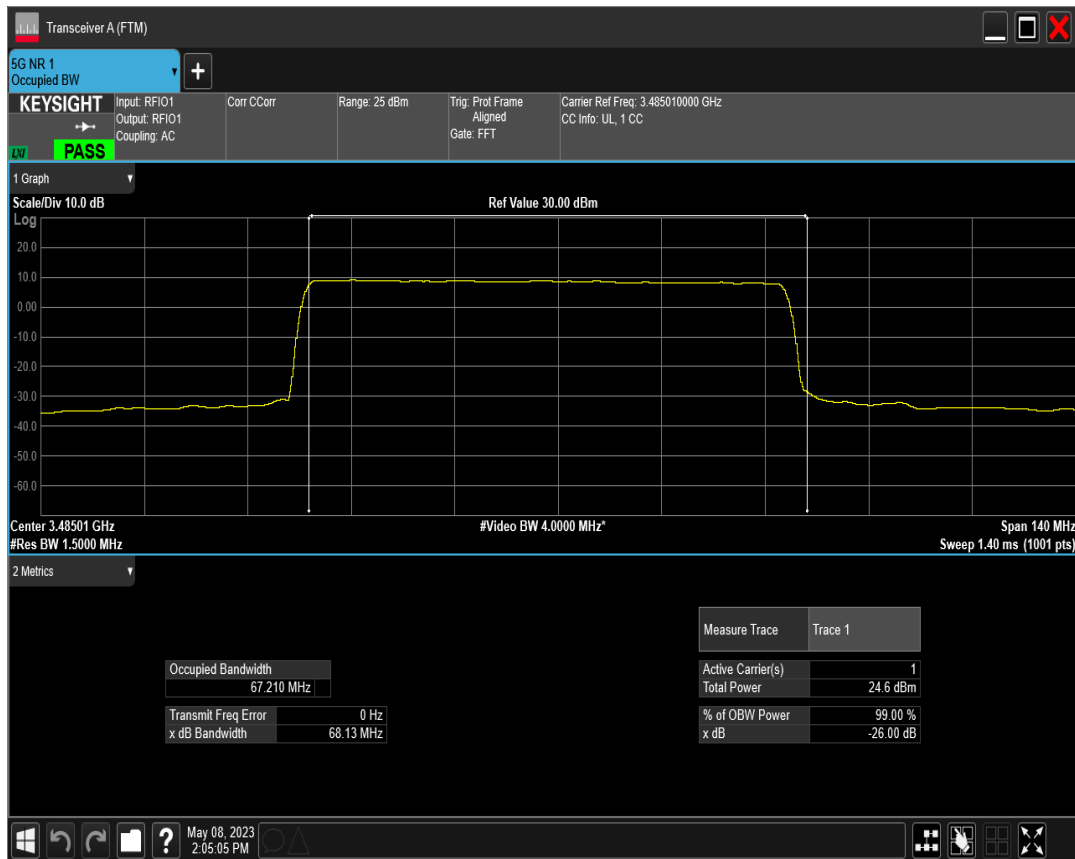
4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n78(3450-3550)	30	70	632334	180@0	DFT_BPSK	67.030	68.200	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	67.210	68.130	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM16	66.980	68.160	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM64	67.010	68.190	PASS
n78(3450-3550)	30	70	632334	189@0	CP_QPSK	67.810	71.440	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_BPSK	67.030	68.150	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	67.040	68.200	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	66.980	68.140	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	67.030	68.150	PASS
n78(3450-3550)	30	70	633334	189@0	CP_QPSK	67.800	71.420	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_BPSK	67.210	68.190	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	67.250	68.120	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM16	67.030	68.140	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM64	67.060	68.190	PASS
n78(3450-3550)	30	70	634332	189@0	CP_QPSK	67.830	71.440	PASS

n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=632334 RB=180@0



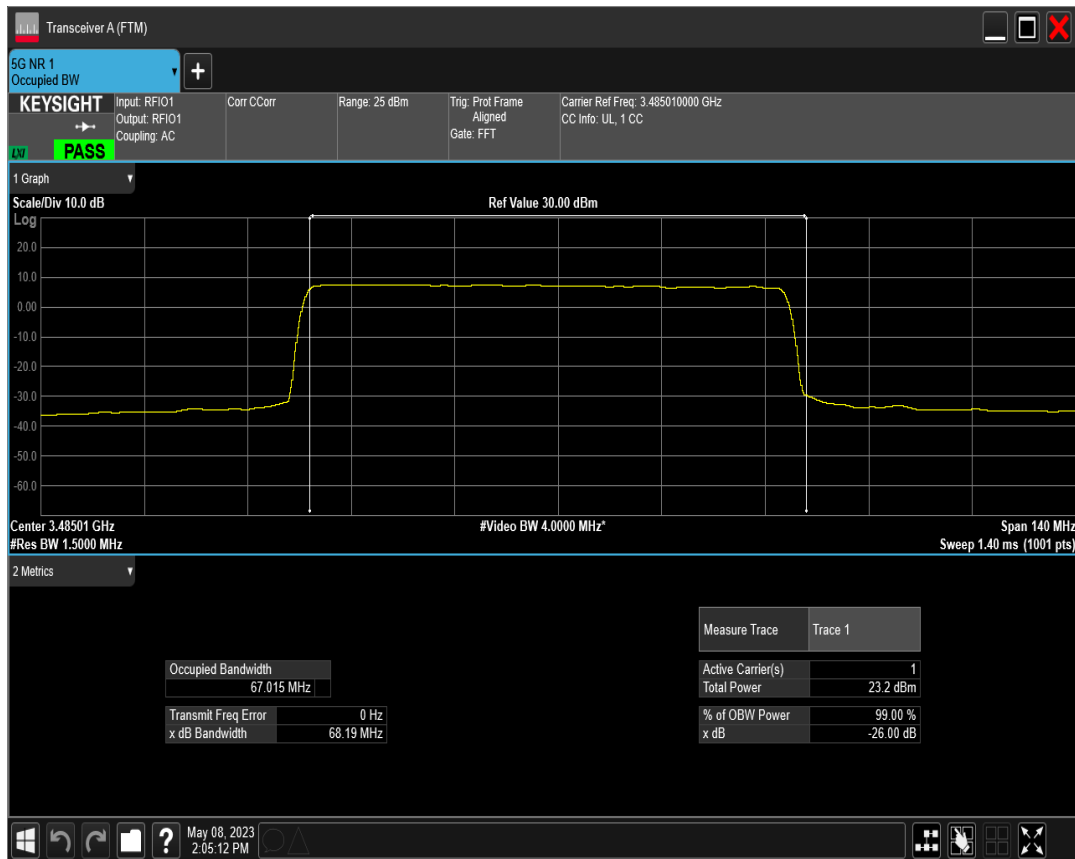
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



n78(3450-3550) SCS=30kHz DFT_QAM16 BW=70MHz Channel=632334 RB=180@0



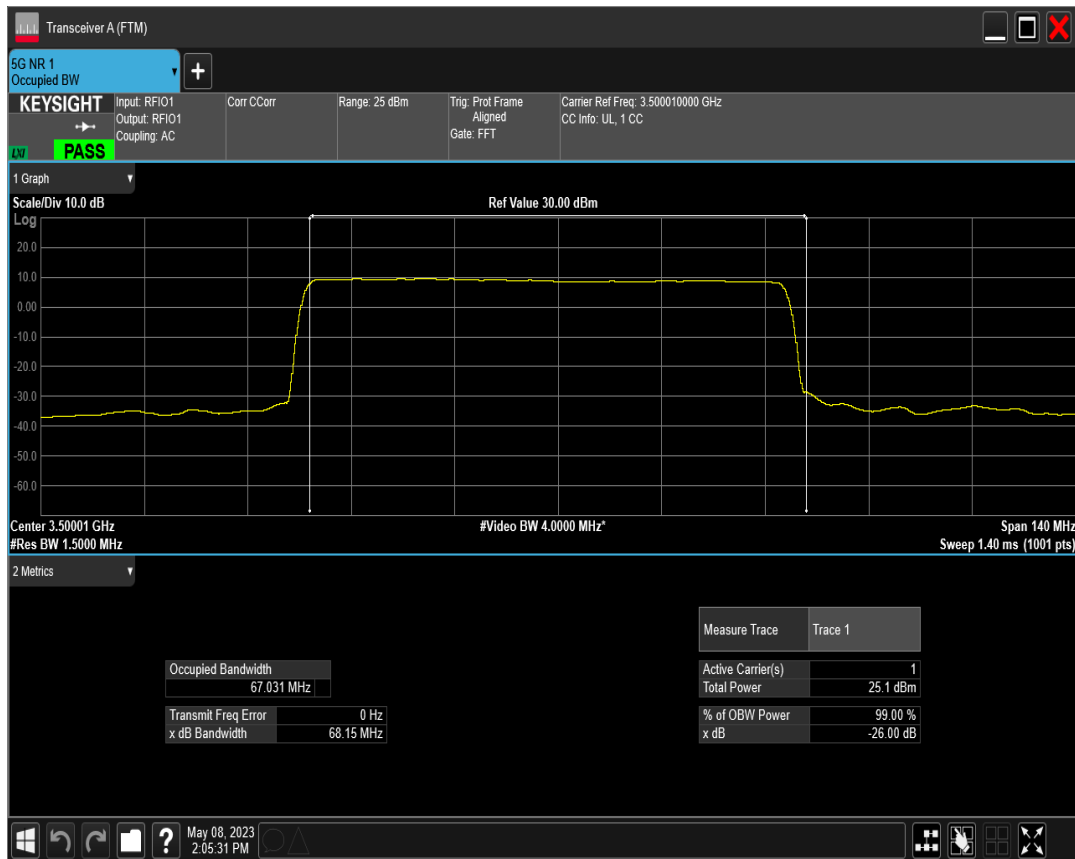
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=632334 RB=180@0



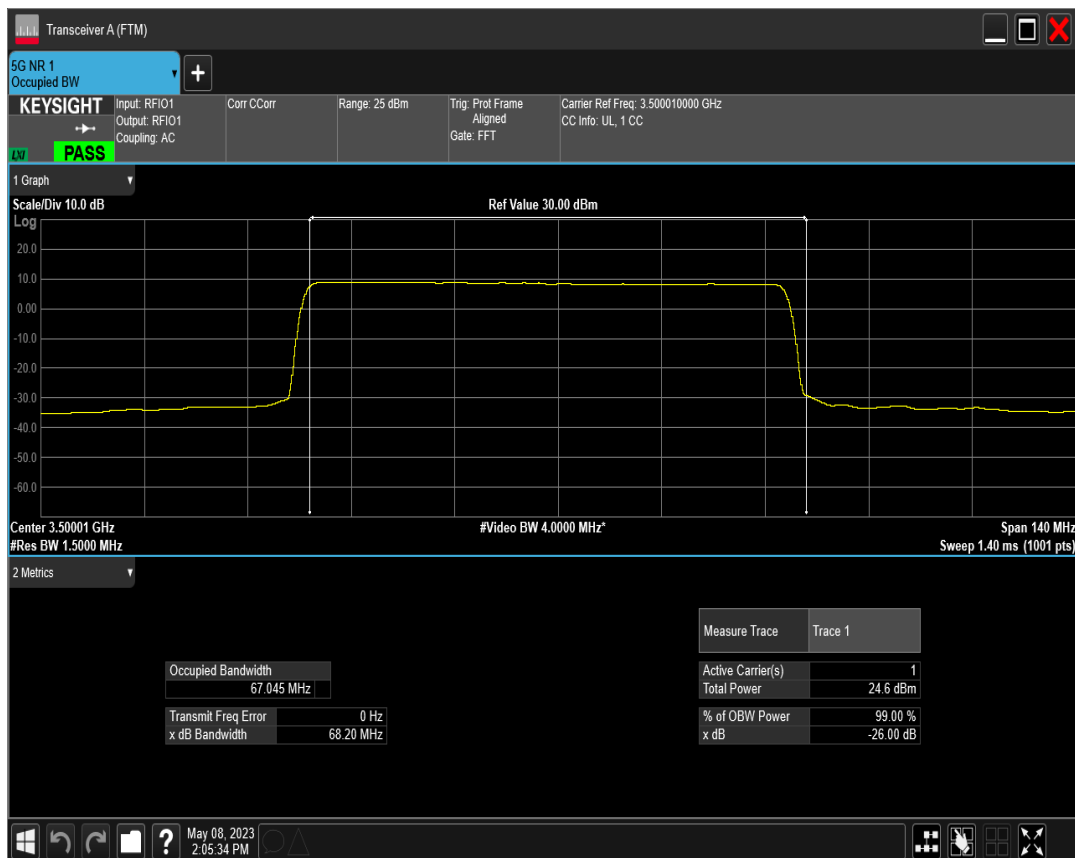
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=632334 RB=189@0



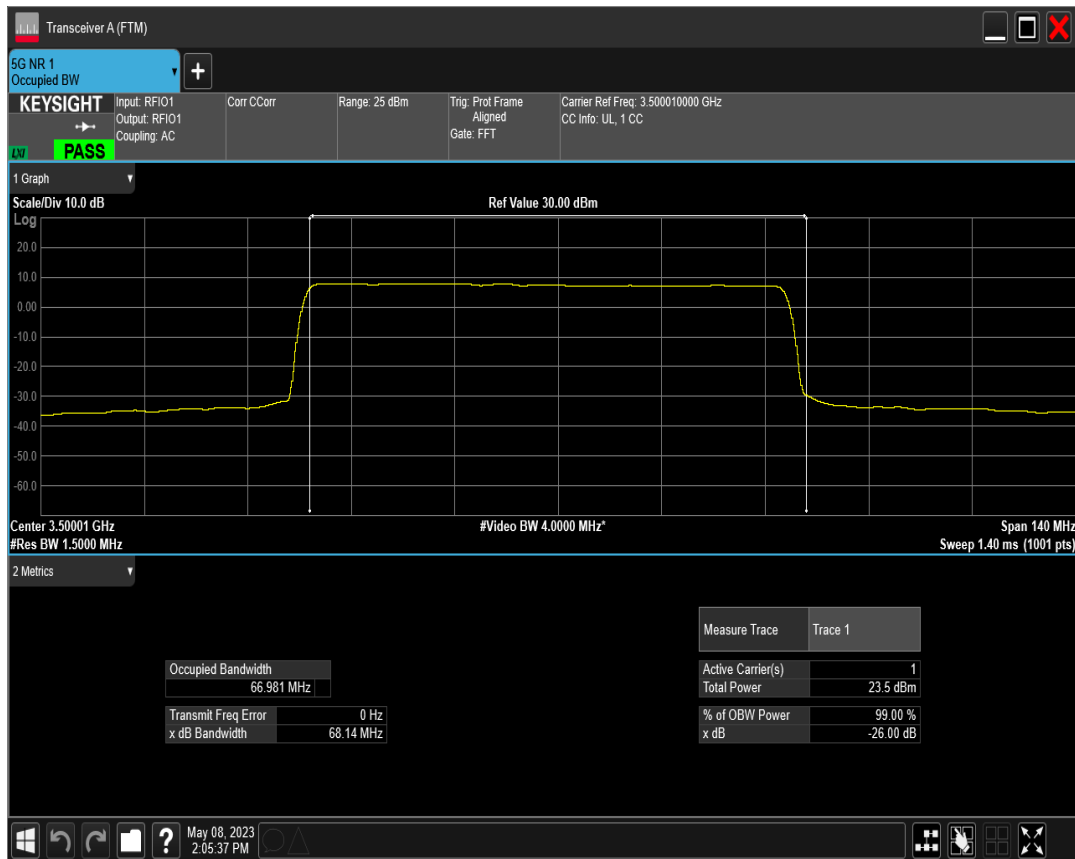
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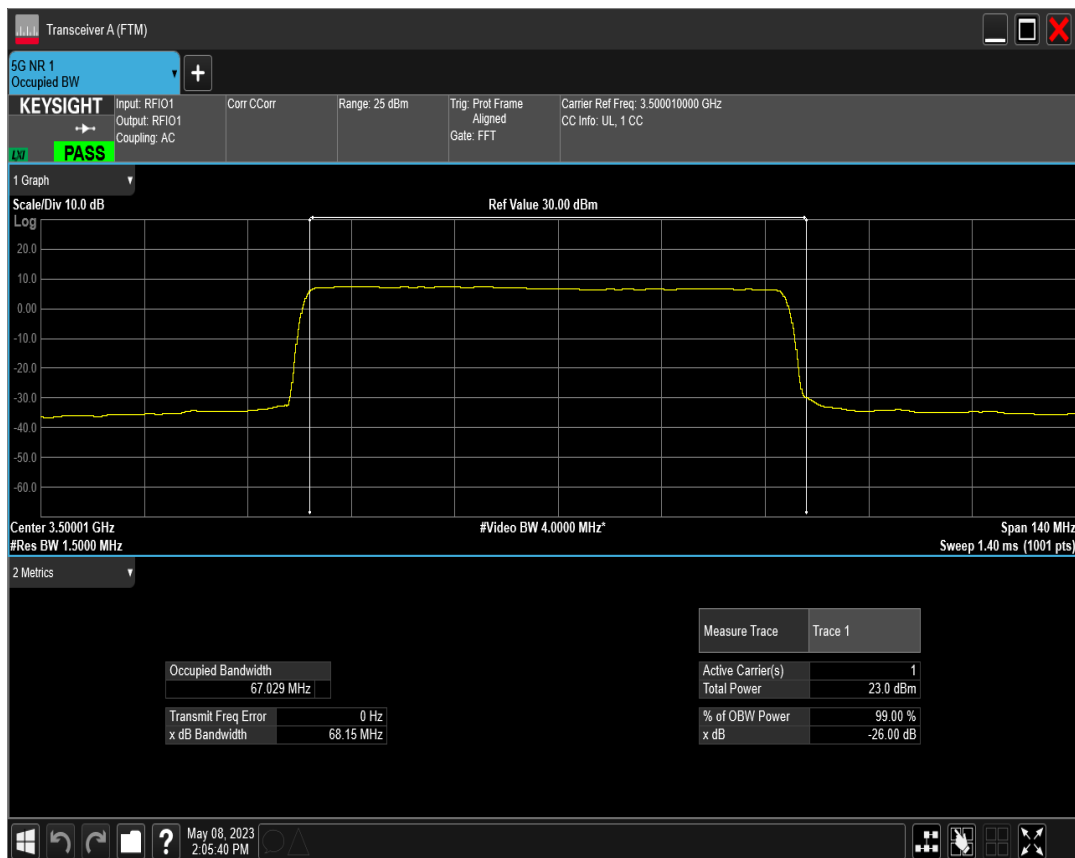
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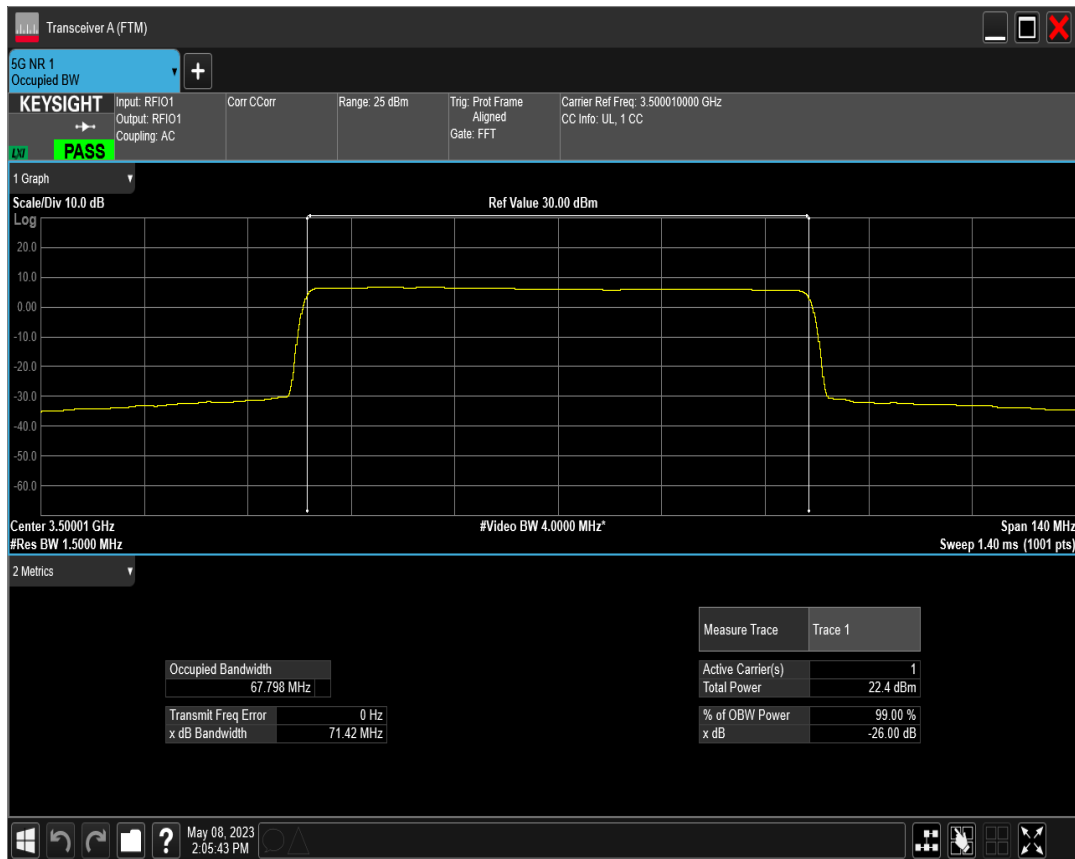
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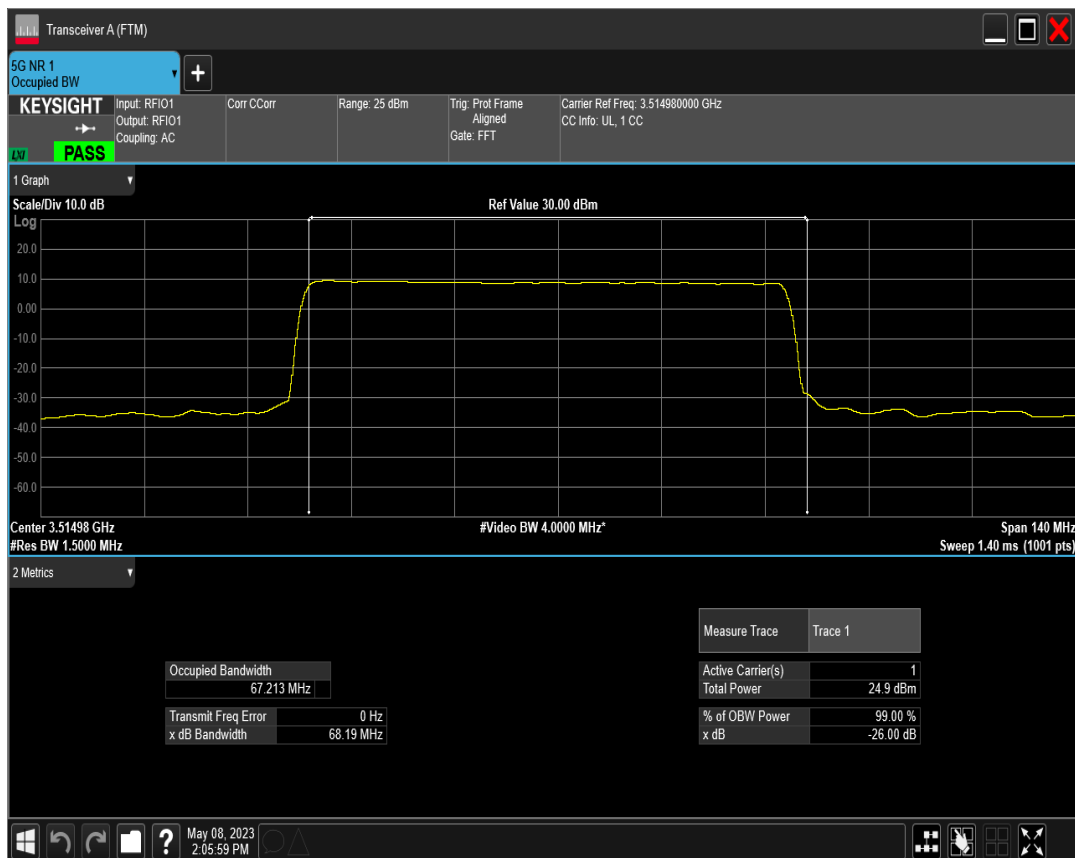
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=633334 RB=180@0



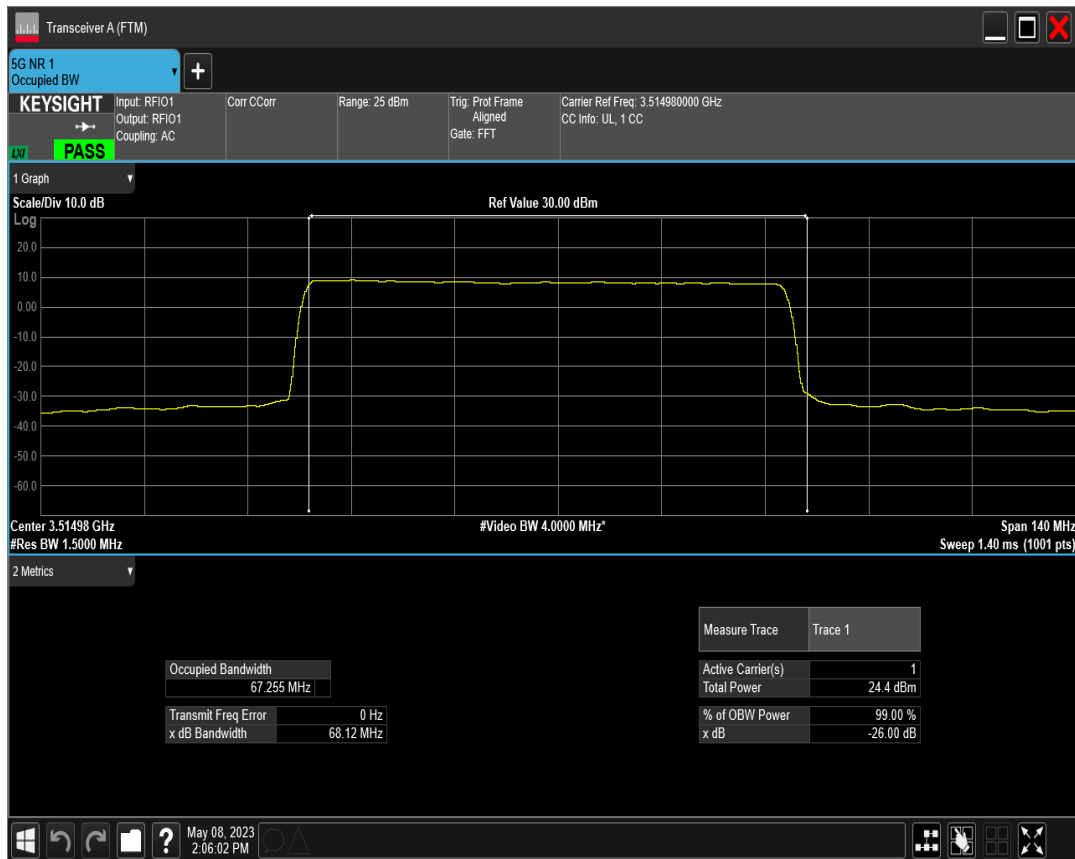
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=633334 RB=189@0



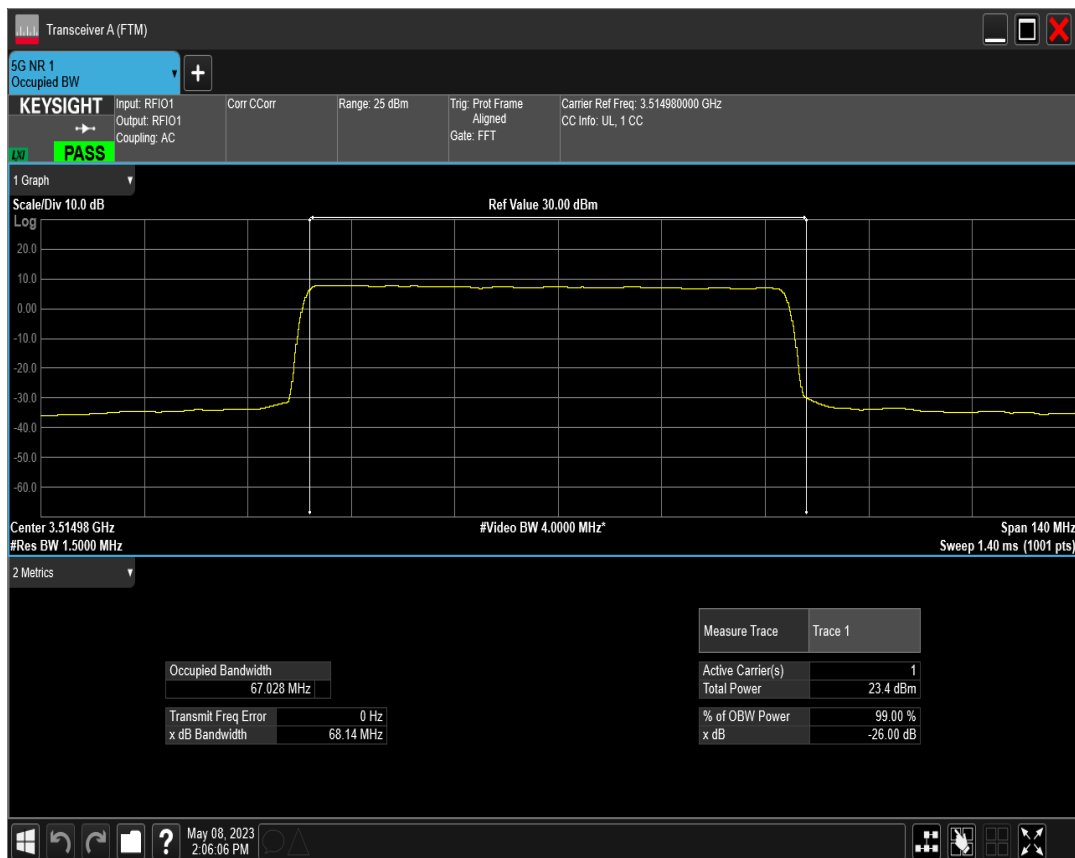
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=634332 RB=180@0



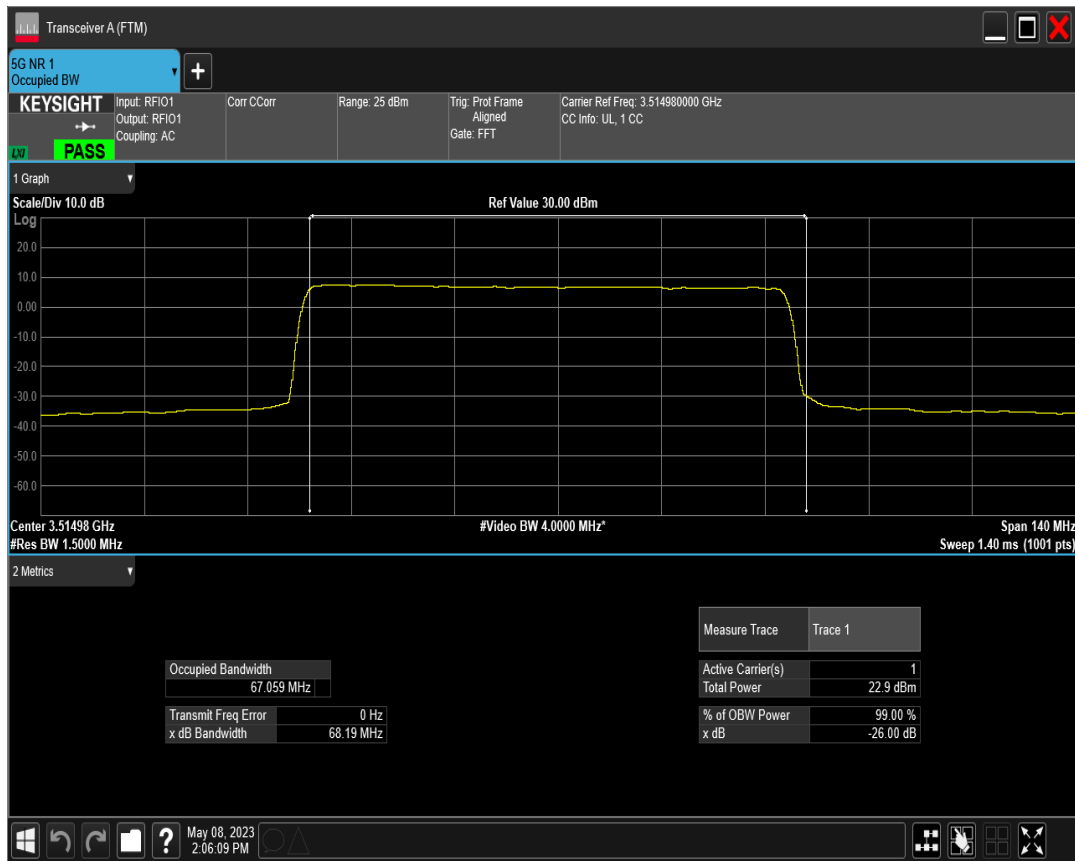
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=180@0



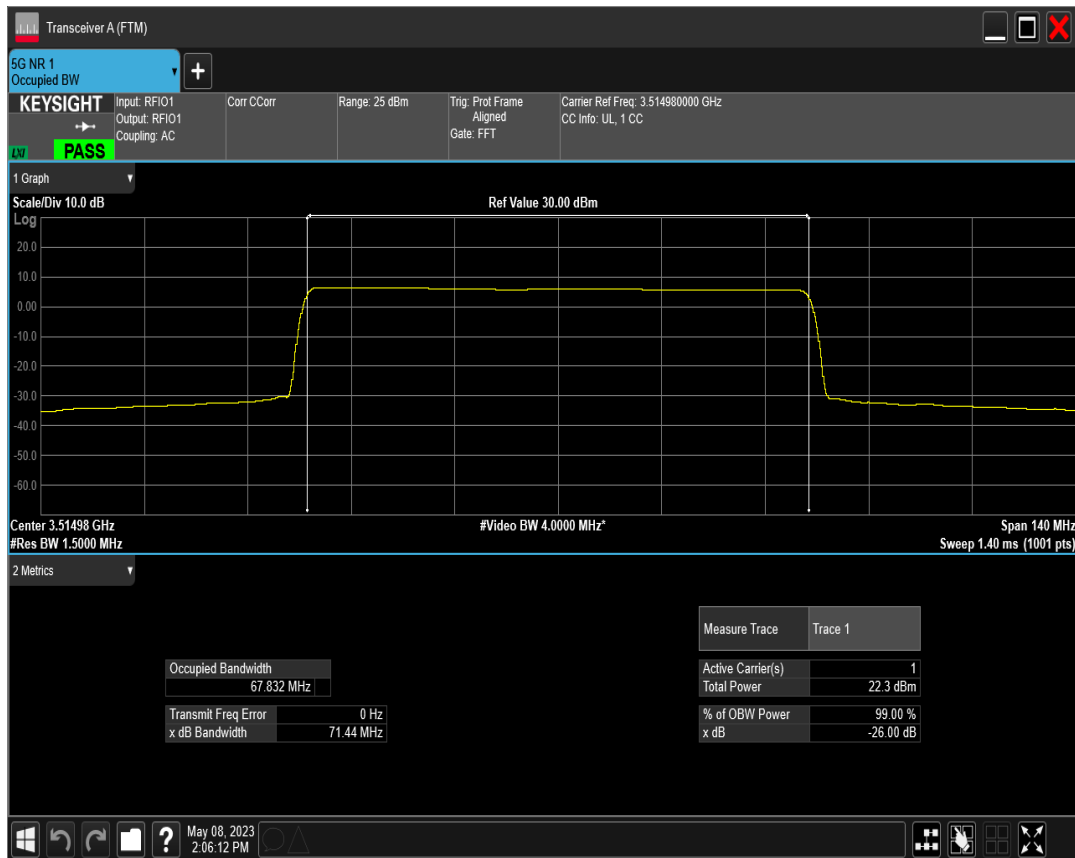
n78(3450-3550) SCS=30kHz DFT_QAM16 BW=70MHz Channel=634332 RB=180@0



n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=634332 RB=180@0



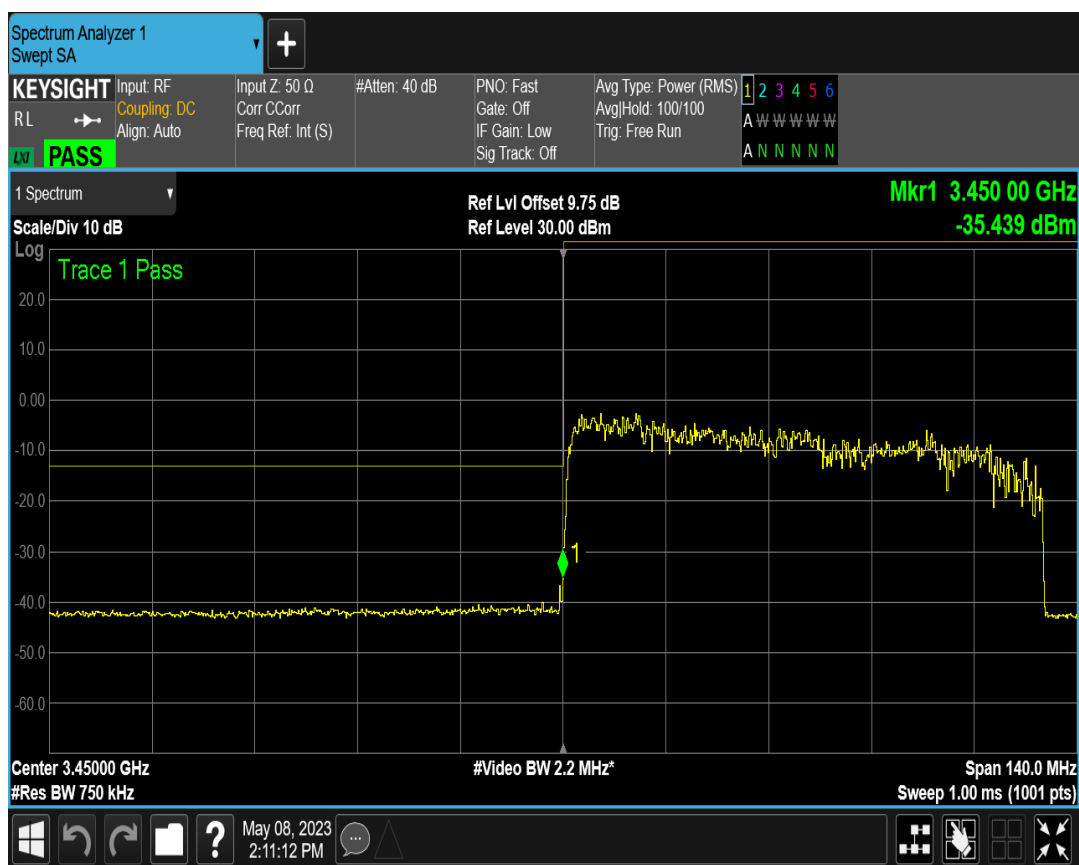
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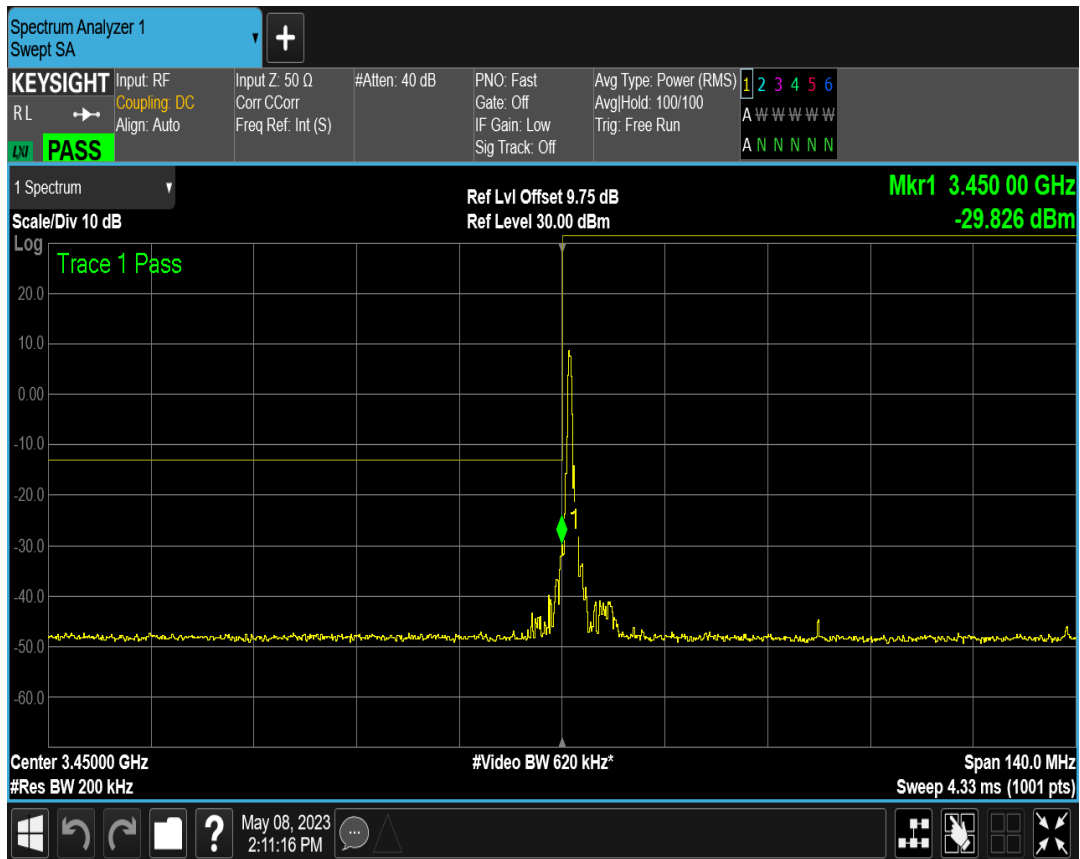
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	3450.00	-35.43	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	3450.00	-29.82	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	3604.74	-37.64	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	3550.00	-30.97	-13	PASS

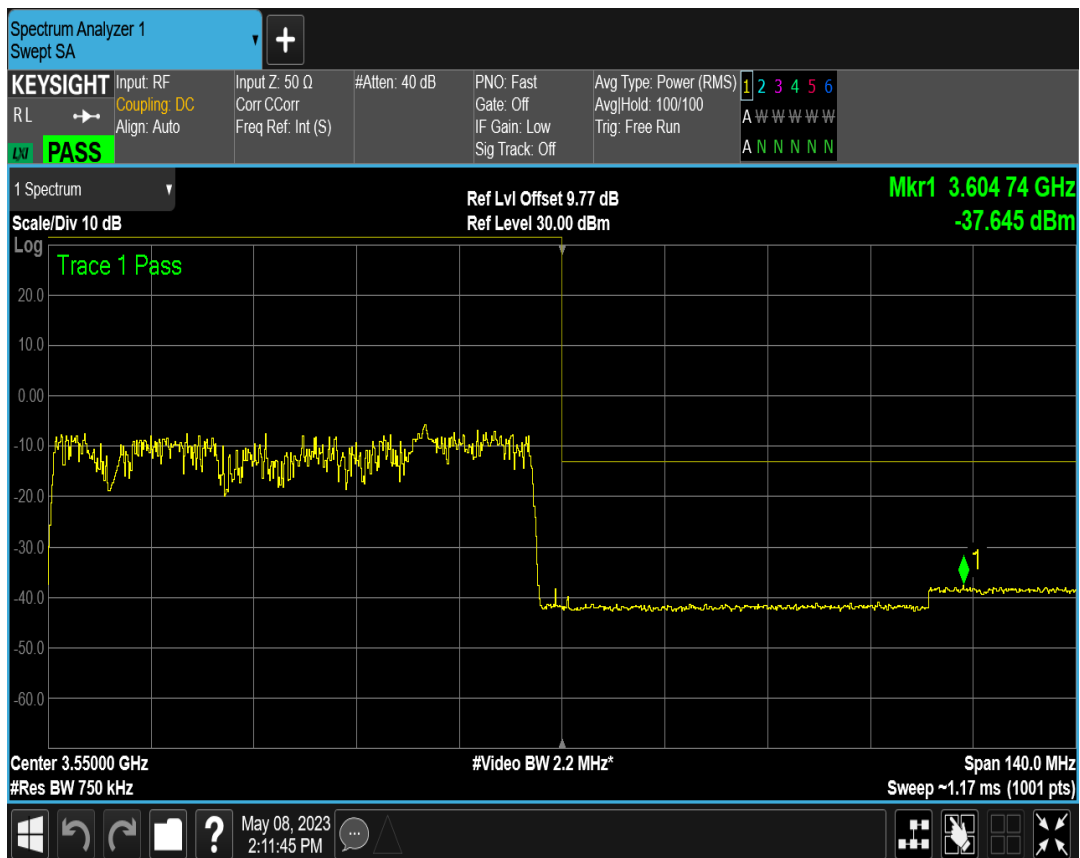
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



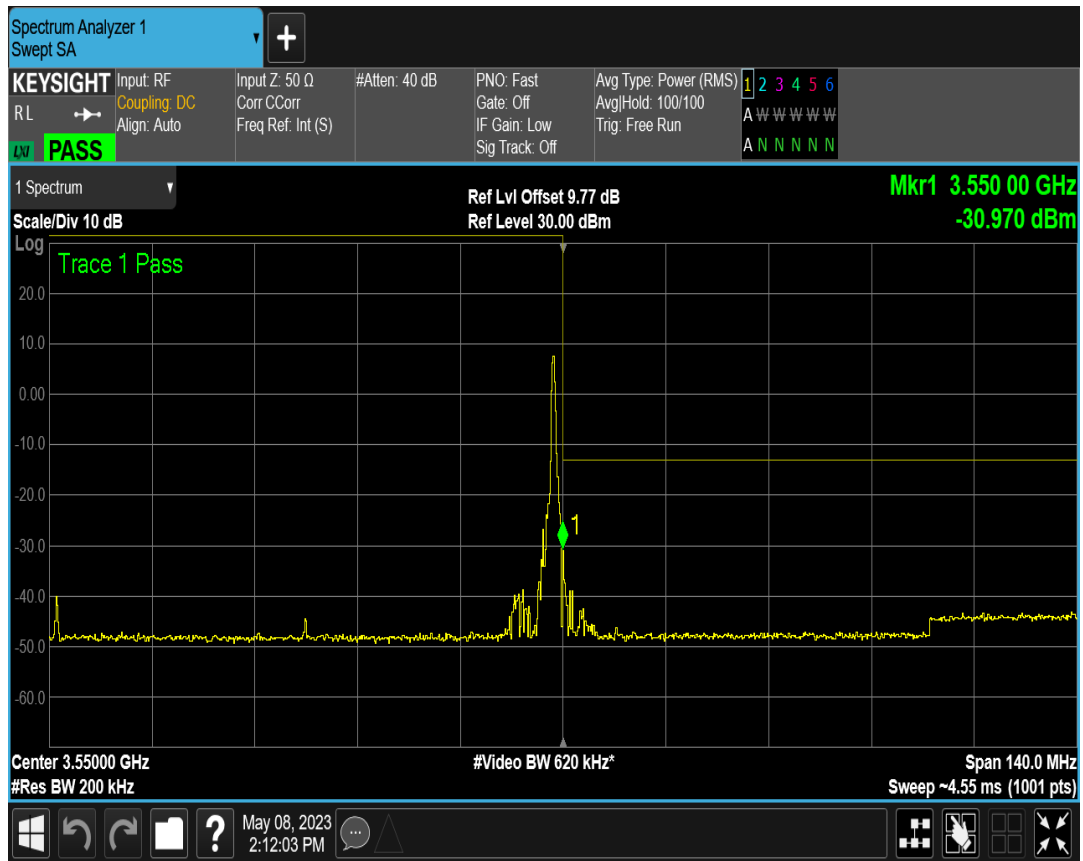
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=180@0



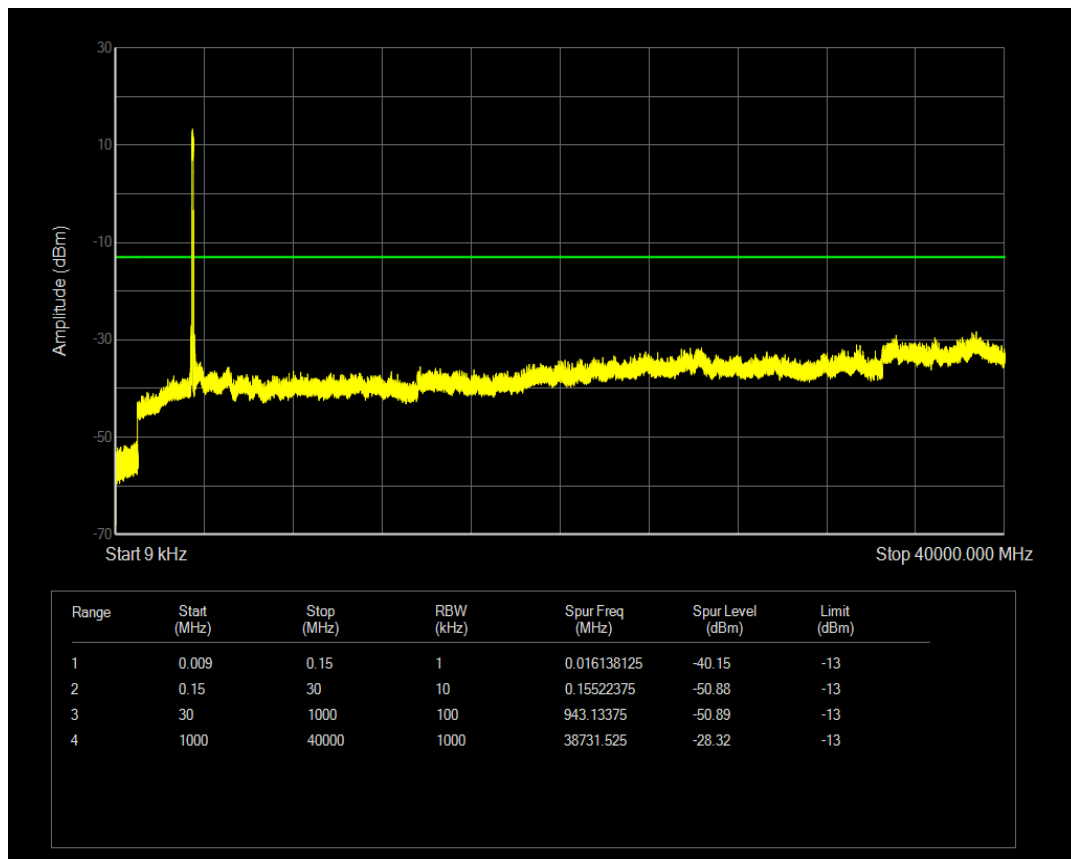
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=1@188



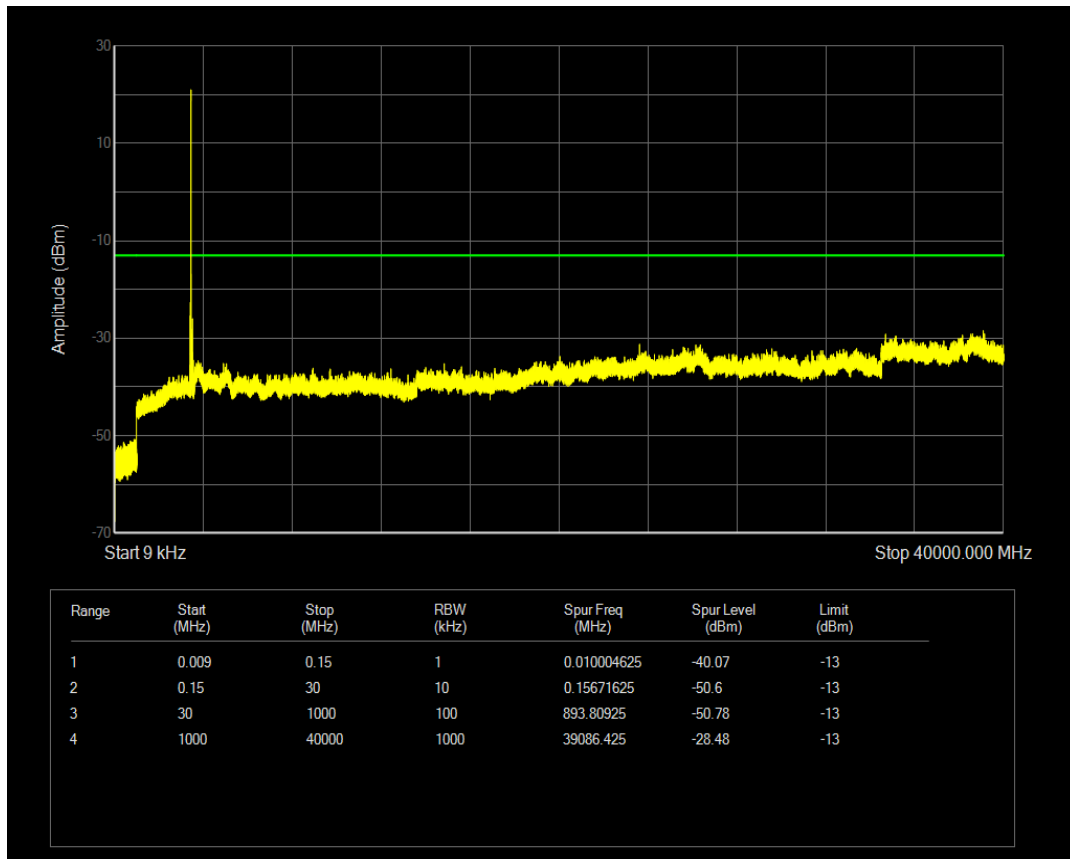
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	38731.53	-28.32	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	39086.43	-28.48	-13	PASS
n78(3450-3550)	30	70	632334	1@188	DFT_QPSK	38042.20	-28.28	-13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	38768.58	-29.05	-13	PASS
n78(3450-3550)	30	70	633334	1@0	DFT_QPSK	38706.18	-28.67	-13	PASS
n78(3450-3550)	30	70	633334	1@188	DFT_QPSK	38934.33	-28.62	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	38606.73	-28.84	-13	PASS
n78(3450-3550)	30	70	634332	1@0	DFT_QPSK	38631.10	-28.68	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	38766.63	-28.11	-13	PASS

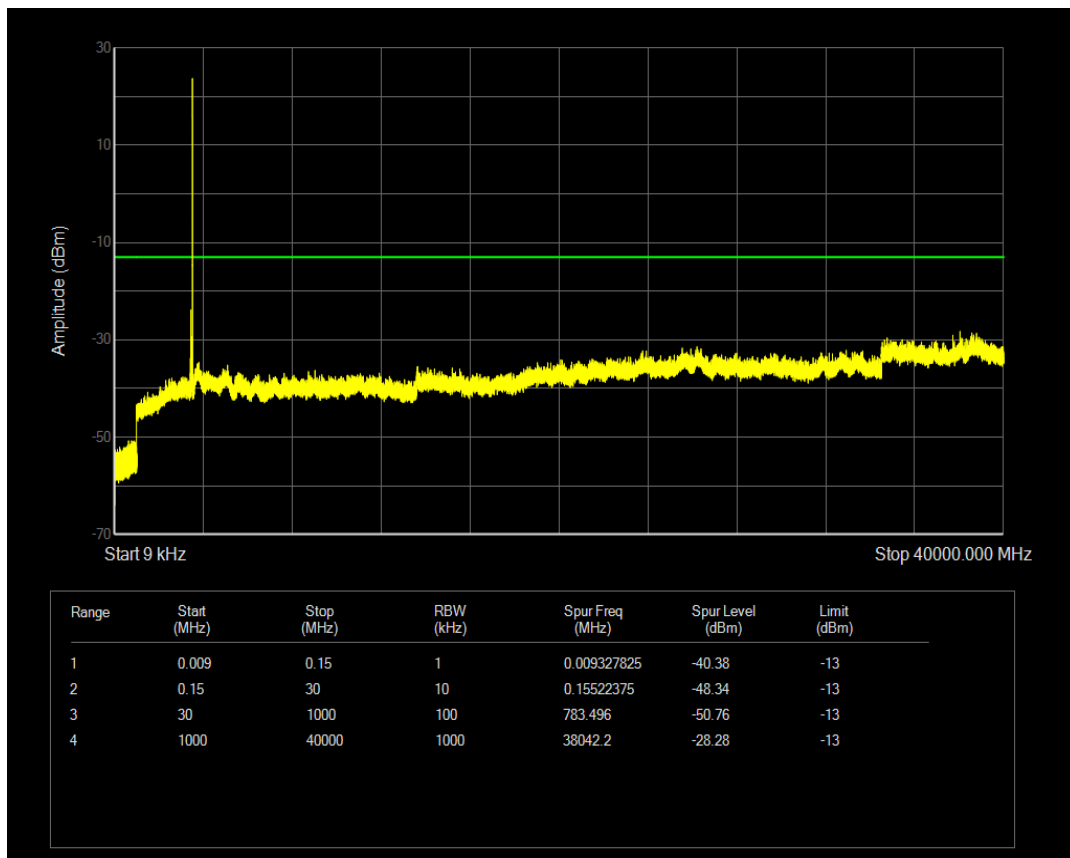
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



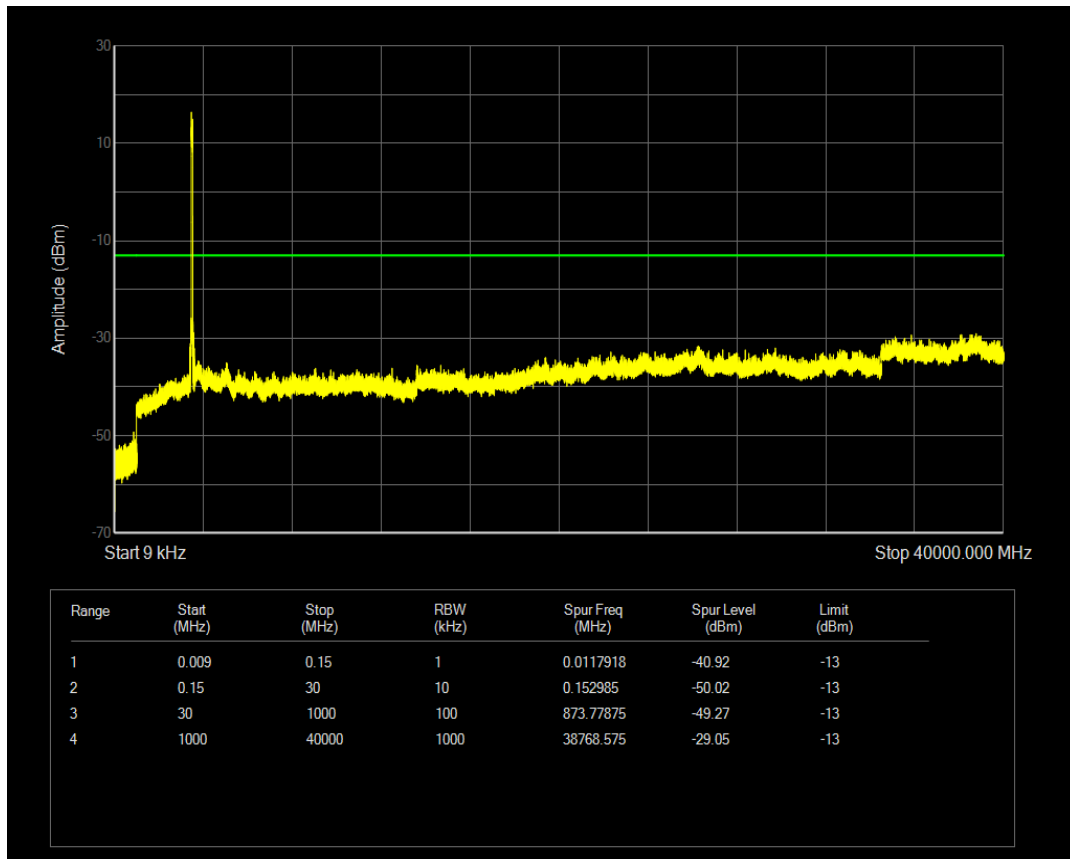
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@0



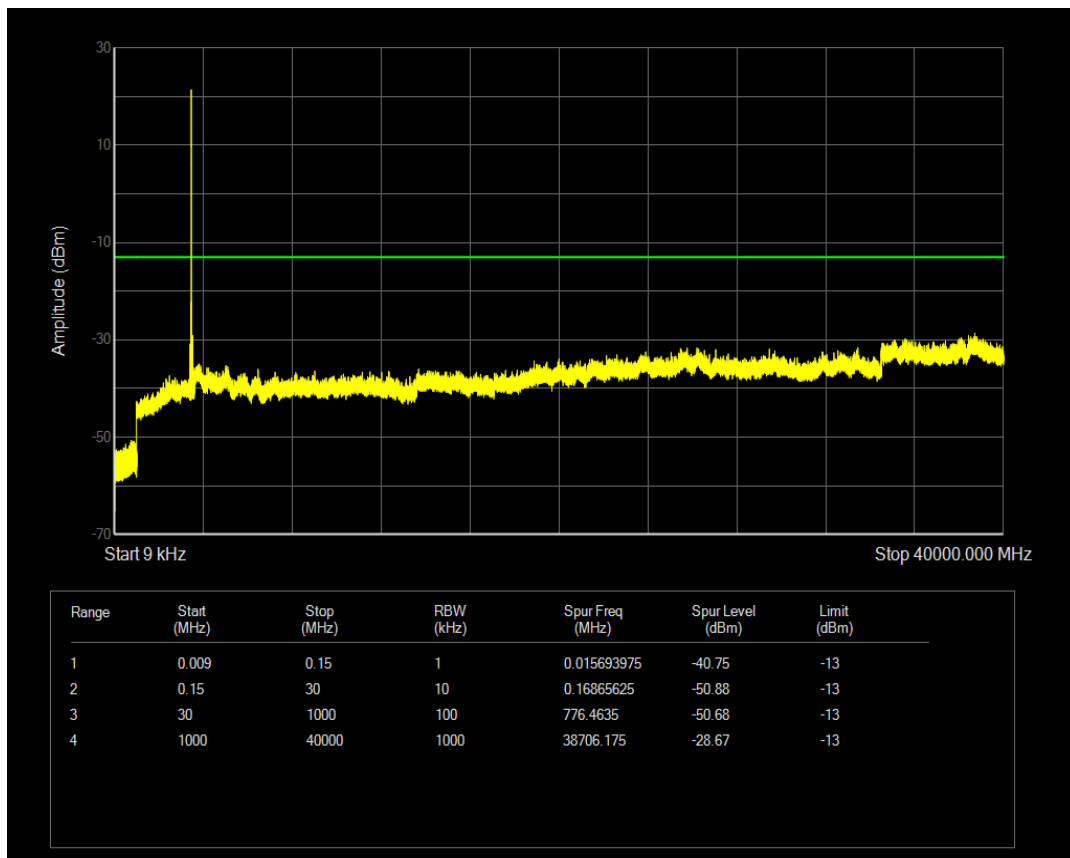
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@188



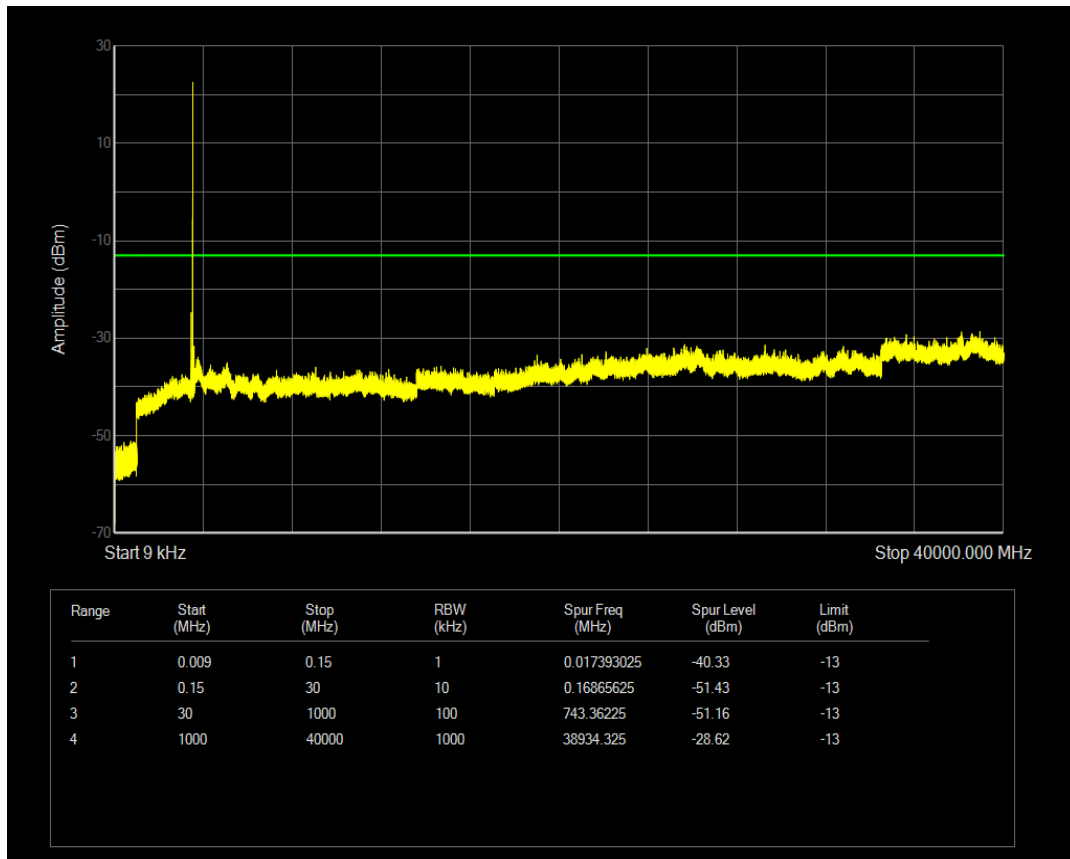
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



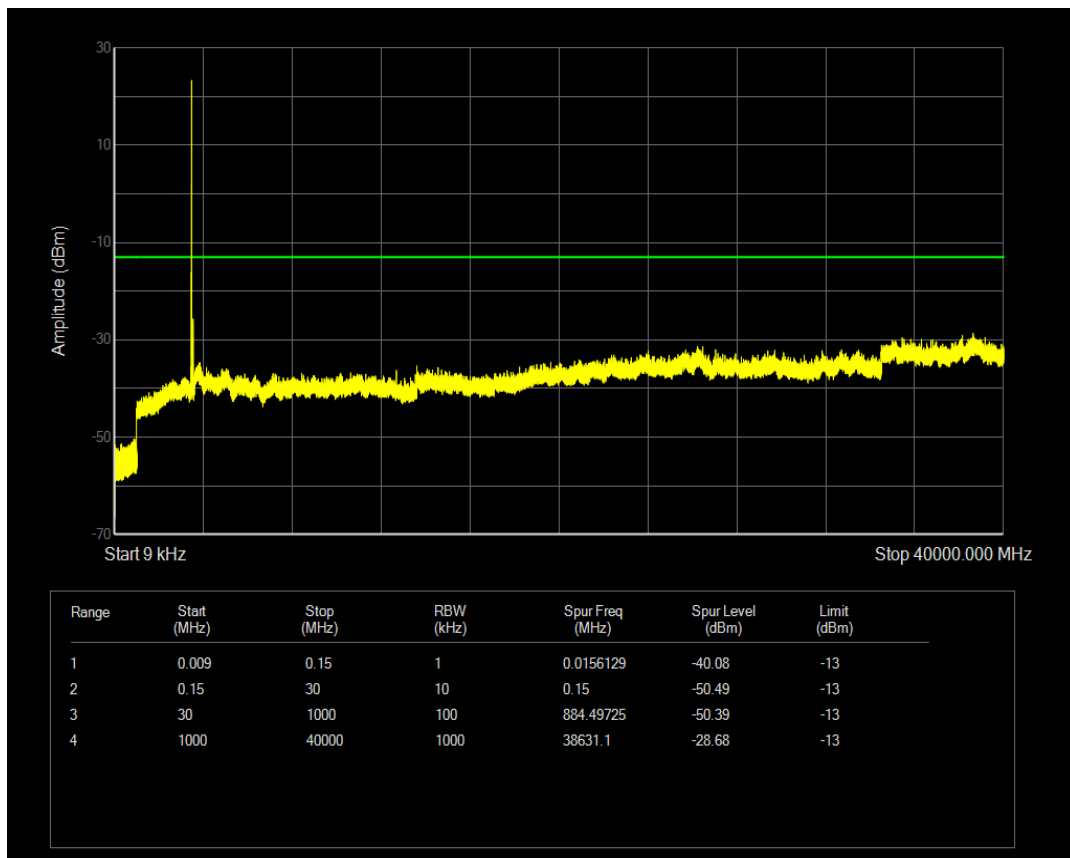
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=1@0



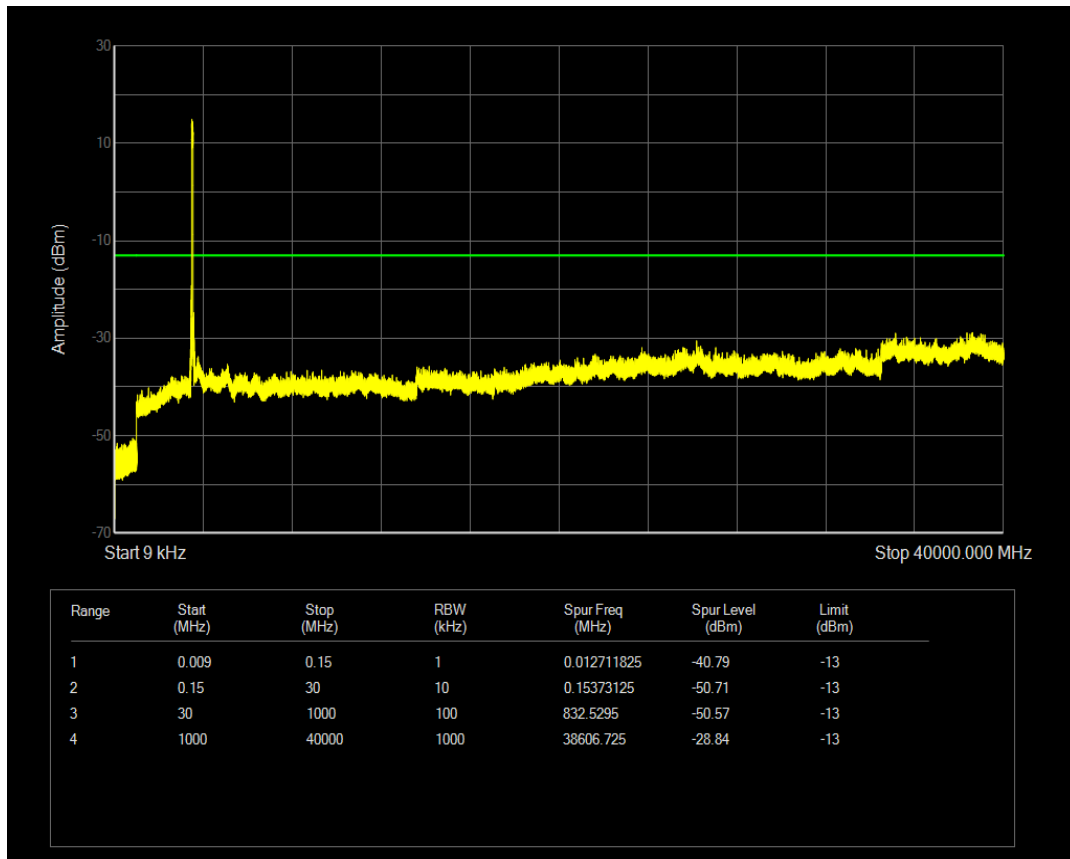
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=1@188



n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=1@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=180@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=1@188

